We Claim:

- A polymer composition comprising:
 water soluble copolymer having functionality including at least
 sulfonate groups and carboxylate groups; and
 alkali metal salt of carboxylic acid.
 - 2. The polymer composition of claim 1 wherein the water soluble copolymer has a weight average molecular weight of at least 1,000,000.
 - 3. The polymer composition of claim 1 wherein the water soluble copolymer has weight average molecular weight between 1,000,000 and 5,000,000.
- 4. The polymer composition of claim 1 wherein the water soluble copolymer is soluble in an amount of at least 4 lbs/bbl in a substantially saturated brine of alkali metal carboxylate selected from sodium, potassium and cesium salts of acetic and formic acids.
- 5. A polymer composition comprising: water soluble copolymer formed as the polymerization reaction product of acrylamidomethylpropanesulfonic acid or salt thereof and alpha, betaunsaturated carbonyl compound; and alkali metal salt of carboxylic acid.

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- 6. The polymer composition of claim 5 wherein the alkali metal salt of carboxylic acid is selected from the sodium, potassium and cesium salts of C1 to C3 carboxylic acid.
- 7. The polymer composition of claim 5 wherein the alkali metal salt of carboxylic acid is selected from alkali metal salts of formic acid, acetic acid and mixtures thereof.

- 8. The polymer composition of claim 5 wherein the acrylamidomethylpropanesulfonic acid or salt thereof is 2-acrylamido-2-methylpropanesulfonic acid or salt thereof.
- 5 9. The polymer composition of claim 5 wherein the acrylamidomethylpropanesulfonic acid or salt thereof is 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid or salt thereof.
- 10. The polymer composition of claim 5 wherein the water soluble copolymer comprises from 5 to 95 wt.% structural units derived from 2-acrylamido-2-methylpropanesulfonic acid or salt thereof, and from 5 to 95 wt.% structural units derived from acrylamide, vinylpyrrolidone, acrylic acid or salt thereof; and

the alkali metal salt comprises at least one alkali metal salt of C1 to C3 carboxylic acid.

- 11. A polymer composition of claim 10 wherein the water soluble copolymer has 5 to 95 wt.% structural units derived from 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid or salt thereof, and 5 to 95 wt.%
 20 structural units derived from 2-propanoic acid or salt thereof.
 - 12. The polymer composition of claim 10 wherein the alkali metal salt is primarily cesium salt.
- 25 13. The polymer composition of claim 11 having 0 to 5 wt.% structural units derived from an at least bifunctional cross-linking agent.
 - 14. The polymer composition of claim 13 wherein the cross-linking agent is N,N'-methylenebis[2-propenamide].
 - 15. The polymer composition of claim 10 wherein the water soluble copolymer is present in an amount of 0.05 to 5 wt.% of the combined weight

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of all solids of the polymer composition and the alkali metal salt is present in an amount of 95 to 99.95 wt.% of the combined weight of all solids of the polymer composition.

- 5 16. The polymer composition of claim 5 wherein the copolymer is substantially hydrated by water and the alkali metal salt of carboxylic acid is substantially dissolved.
 - 17. The polymer composition of claim 16 further comprising alkali metal salt of at least 1 halide.
 - 18. The polymer composition of claim 16 wherein the alkali metal salt of at least 1 halide is selected from the sodium, potassium and cesium salts of chloride, bromide and mixtures thereof.

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19. The polymer composition of claim 16 developing an apparent viscosity of at least 20 cPs., a plastic viscosity of at least 15 cPs, and a yield point of at least 5 lb./100 ft² when dissolved in cesium formate brine at a concentration of 2 pounds per barrel and measured at 120 degrees F.

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- 20. The polymer composition of claim 19 retaining at least 50 percent of its apparent viscosity after roller aging for 30 days at 375 degrees F and measured at 120 degrees F.
- 25 21. A process for preparing an aqueous polymer composition according to claim 16 comprising hydrating the polymer composition.
 - 22. A process for preparing an aqueous polymer composition according to claim 21 wherein alkali metal salt of carboxylic acid is dissolved aqueous composition containing the water soluble copolymer.

- 23. A process for preparing an aqueous polymer composition according to claim 21 wherein the water soluble copolymer is dissolved in a brine of alkali metal salt of carboxylic acid.
- A method of carrying out well-drilling or well-servicing operations comprising the use of an aqueous well service fluid comprising water soluble copolymer having functionality including at least sulfonate groups and carboxylate groups, hydrated in a brine solution.
- 10 25. The method of claim 24 wherein the water soluble copolymer is substantially fully hydrated in the brine solution.

- 26. An aqueous well service fluid comprising:

 water soluble copolymer having functionality including at least sulfonate groups and carboxylate groups, hydrated in a brine solution.
 - 27. The aqueous well servicing fluid of claim 26 wherein the water soluble copolymer is soluble in a brine of alkali metal salt of carboxylic acid.
- 28. The aqueous well servicing fluid of claim 26 wherein the water soluble copolymer is substantially fully hydrated in the brine solution.
- 29. Water soluble copolymer having functionality including at least sulfonate groups and carboxylate groups, which has a weight average
 25 molecular weight of at least 1,000,000 and develops an apparent viscosity of at least 20 cPs., a plastic viscosity of at least 15 cPs, and a yield point of at least 5 lb./100 ft² when substantially fully hydrated in cesium formate brine at a concentration of 2 pounds per barrel and measured at 120 degrees F.
- 30. Water soluble copolymer of claim 29 having weight average molecular weight between 1,000,000 and 5,000,000.

- 31. Water soluble copolymer of claim 29 soluble in an amount of at least 4 lbs/bbl in a substantially saturated brine of alkali metal carboxylate selected from sodium, potassium and cesium salts of acetic and formic acids.
- Water soluble copolymer of claim 29 which retains at least 50 percent of its apparent viscosity after roller aging for 30 days at 375 degrees F and measured at 120 degrees F.
 - 33. Water soluble copolymer of claim 29 hydrated in a brine solution.

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- 34. Water soluble copolymer comprising the polymerization reaction product of acrylamidomethylpropanesulfonic acid or salt thereof and alpha, beta-unsaturated carbonyl compound, having weight average molecular weight of at least 1,000,000 and developing an apparent viscosity of at least 20 cPs., a plastic viscosity of at least 15 cPs, and a yield point of at least 5 lb./100 ft² when substantially fully hydrated in cesium formate brine at a concentration of 2 pounds per barrel and measured at 120 degrees F.
- 35. Water soluble copolymer of claim 34 wherein the
 20 acrylamidomethylpropanesulfonic acid or salt thereof is 2-acrylamido-2-methylpropanesulfonic acid or salt thereof.
 - 36. Water soluble copolymer of claim 34 wherein the acrylamidomethylpropanesulfonic acid or salt thereof is 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid or salt thereof.
 - 37. Water soluble copolymer of claim 34 having 5 to 95 wt.% structural units derived from 2-methyl-2-[(-oxo-2-propenyl)amino]-1-propanesulfonic acid or salt thereof, and 5 to 95 wt.% structural units derived from 2-propanoic acid or salt thereof.

38. Water soluble copolymer of claim 34 having 40 to 80 wt.% structural units derived from 2-acrylamido-2-methylpropanesulfonic acid or salt thereof and 20 to 60 wt.% structural units derived from acrylamide, vinylpyrrolidone, acrylic acid or salt thereof.

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- 39. Water soluble copolymer of claim 38 having 0 to 5 wt.% structural units derived from an at least bifunctional cross-linking agent.
- 37. Water soluble copolymer of claim 34 having 5 to 95 wt.% structural units derived from 2-methyl-2-[(-oxo-2-propenyl)amino]-1-propanesulfonic acid or salt thereof, and 5 to 95 wt.% structural units derived from 2-propanoic acid or salt thereof.
 - 38. Water soluble copolymer of claim 34 having 40 to 80 wt.% structural units derived from 2-acrylamido-2-methylpropanesulfonic acid or salt thereof and 20 to 60 wt.% structural units derived from acrylamide, vinylpyrrolidone, acrylic acid or salt thereof.
- 39. Water soluble copolymer of claim 38 having 0 to 5 wt.% structural units derived from an at least bifunctional cross-linking agent.